

1 ABSTRACT

2 A portal-based system for ultraviolet disinfection (UV) of containers and
3 appliances, the system including a container with a housing having at least one portal for
4 receiving UV light input for transmission into the container. The portal is designed such
5 that a fiber optic transmission line is removably connectable to it. This system may
6 include at least one portal optical component positioned between the portal and the
7 interior of the appliance, thereby producing an enhanced sterilization of microorganisms
8 within the container and/or appliance.